

HL250M Dri-Prime® Hush-Pac

The Godwin Dri-Prime HL250M pump is an extremely powerful yet compact pump with flow capabilities to 1,224 m³/hr and discharge heads to 117 metres.

The HL250M features the unique Godwin high pressure liquid bath mechanical seal design. This allows for dry running for prolonged periods while automatically priming and repriming. Able to perform in the toughest conditions, the HL250M can handle solids up to 65 mm in diameter. This makes it an extremely effective pump, suitable for both slurry and clean water applications. The powerful HL250M has proven itself a pump of choice for mines, quarries and many other high capacity applications.



Features and Benefits

- Fully automatic priming from dry to 8.5 metres suction lift.
- Godwin Dri-Prime is a continuously operated Venturi air ejector priming device which requires no periodic adjustment or control.
- Extensive application flexibility. It will handle sewage, slurries and liquids with solids up to 65 mm in diameter.
- Dry-running high pressure liquid bath mechanical seal, with high abrasion resistant Silicon carbide faces.
- A Close-coupled centrifugal pump with Godwin Dri-Prime system mounted to a diesel engine or electric drive.
- All cast iron construction (stainless steel construction option available) with cast steel impeller.
- Also available as a openset or as a bareshaft pumpend.
- Standard build engines; Caterpillar C15, Volvo TAD1251VE. Other engine options are available.

Specifications

Suction connection	300 mm (12" BS10 Table 'D')
Delivery connection	250 mm (10" BS EN 1092 PN16)
Max capacity	1224 m ³ /hr
Max Solids handling	65 mm
Max Impeller diameter	440 mm
Max operating temperature	80 °C *
Max pressure	12.1 bar
Max suction pressure	6.0 bar
Max casing pressure	18.1 bar
Max operating speed	2000 rpm

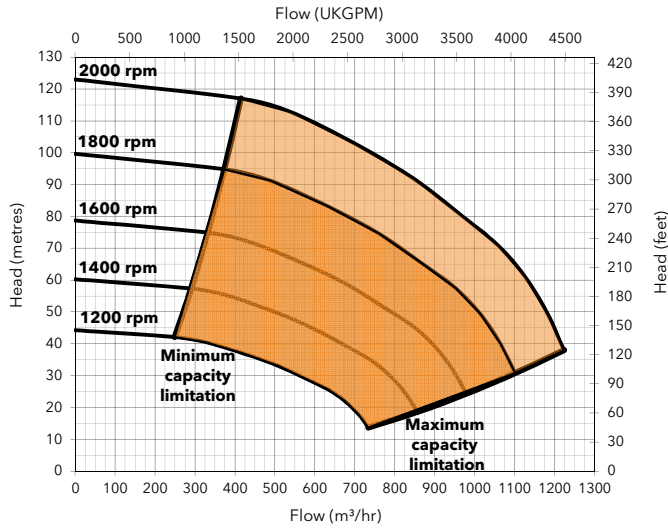
* Please contact our office for applications in excess of 80°C.

godwin 
a xylem brand

Reference number : 95-1114-1099
Date of issue : 05 March 2014
Issue : 9

Please contact the factory or office for further details.
A typical picture of the pump is shown.
All information is approximate and for general guidance only.

Performance Curve



Engine option 1

Price list ref - HL250M-01-DBH-001

Caterpillar, C15, 315.0 kW @ 2000 rpm

Impeller diameter 440 mm

Pump Speed 2000 rpm

Suction Lift Table

Total Suction Head (metres)	Total Delivery Head (metres)				
	38	53	76	96	114
	Output (m³/hr)				
3.0	1215	1150	975	760	450
4.6	1200	1142	950	750	375
6.1	1100	1050	952	720	330
7.6	875	850	800	683	-

Fuel capacity (Full) 1198 litres, (Usable) 970 litres

Fuel consumption @ 1800 rpm 78.3 litres/hour

Weight: (Dry) 8,500 kg, (Wet) 9,500 kg

Dimensions: (L) 5,250 x (W) 2,100 x (H) 3,055 mm

Performance data provided in tables is based on water tests at sea level and 20°C ambient. All information is approximate and for general guidance only. Please contact the factory or office for further details.

Av Sound Pressure Rating (dba)			
Running Speed (rpm)	Distance		
	1m	3m	7m
1200	71	66	63
1800	74	69	64
2000	76	70	65

Materials

Pump casing & suction cover	Cast iron BS EN 1561 - 1997
Wearplates	Cast Iron Chrome 1.0/1.5% Nickel 2%
Pump Shaft	Carbon steel BS EN 1561 - 1997
Impeller	Cast Steel BS3100 A5 Hardness to 200 HB Brinell
Non-return Valve body	Cast Iron BS EN 1561 - 1997
Mechanical Seal Faces	Silicon carbide vs silicon carbide

Engine option 2

Price list ref - HL250M-01-DBH-003

Volvo, TAD1251VE, 269.0 kW @ 1800 rpm

Impeller diameter 440 mm

Pump Speed 1800 rpm

Suction Lift Table

Total Suction Head (metres)	Total Delivery Head (metres)				
	28	41	59	75	90
	Output (m³/hr)				
3.0	1094	1035	878	684	405
4.6	1080	1028	855	675	338
6.1	990	945	857	648	297
7.6	788	765	720	615	-

Fuel capacity (Full) 1198 litres, (Usable) 970 litres

Fuel consumption @ 1800 rpm 67.3 litres/hour

Weight: (Dry) 8,300 kg, (Wet) 9,300 kg

Dimensions: (L) 5,250 x (W) 2,100 x (H) 3,055 mm

Performance data provided in tables is based on water tests at sea level and 20°C ambient. All information is approximate and for general guidance only. Please contact the factory or office for further details.

Av Sound Pressure Rating (dba)			
Running Speed (rpm)	Distance		
	1m	3m	7m
1200	78	75	70
1800	81	77	72



Xylem Dewatering Solutions UK Ltd
 Quenington, Cirencester
 Gloucestershire GL7 5BX, England
 Tel: +44 (0)1285 750271 Fax: +44 (0)1285 750351



Assessed to ISO 9001:2008
 Certificate N° 1027

Reference number : 95-1114-1099
 Date of issue : 05 March 2014
 Issue : 9

www.godwinpumps.com